

Thurston County Wetlands Amphibian Egg Mass Surveys

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Date: ____/____/2002	Leader: _____; Ph: () - ; E-mail: @	
Start Time: ____ : ____	Assisting Observers: _____; _____	
Location: Site Number _____ - _____	GPS: x: _____; y: _____	
Distance/direction to nearest crossroad: _____		
Distance/direction to nearest named road: _____		
Ownership: Owner(s) _____; Ph: () -		
Weather conditions: Sun visible? yes no Clouds? yes no (if yes, estimate % _____)		
Precipitation? yes no If yes, type: fog hail rain sleet snow amount: light mod heavy		
Precipitation last 24 hr? yes no	PLEASE WRITE CLEARLY	Survey No.: _____

Sketch Map Be sure to include: 1. Water margin (use line) 2. Connections to other waters (use lines): a. inflow(s) b. outflow(s) Flow direction (use arrow) 3. Wetland veg type (code as needed): a. emergents b. floating/subm c. shrubs d. trees 4. Upland veg type (code as needed): a. herbaceous b. shrub c. trees 5. Alterations (note as needed): a. agriculture b. hydrology c. other 6. Survey pattern: a. start/end point b. direction																				
	7. General egg mass areas (use dotted line)																			

Is exotic vegetation present? yes no unknown **If yes, note species:** Brazilian waterweed
 Eurasian watermilfoil fragrant water lily reed canarygrass other **If other, write species:**
 _____ ; _____. **Indicate % of wetland that is exotic dominated:** _____ %. **If unidentifiable (unknown), bring sample in (use ziploc bag).**

Comments (include anything you think may be important): _____

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Species with large egg masses: Count all egg masses. A numbered box is provided for each of the 10 equal wetland sections. Record a wetland total for each species.

Species	1	2	3	4	5	6	7	8	9	10	Total
Northwestern salamander											
Northern red-legged frog											
Oregon spotted frog											
Western toad											

Species with small egg packets: Provide an estimate of the number of egg packets for the entire wetland. Estimate into one of three categories: few (≤ 50), moderate numbers (51-300), or many (>301). Do not attempt to identify packets at an early embryonic stage as you will not be able to effectively distinguish these two species.

Species	1	2	3	4	5	6	7	8	9	10	Total
Long-toed salamander											
Pacific treefrog											

Species with single eggs: Are rough-skinned newt eggs present? yes no

Non-egg vertebrate observations: Indicate a single whole number count (not a tally) of the following vertebrates or their life stages, if they are present. If you are uncertain of the identity of a species, put a number with a question mark next to your best guess, and describe the species or life stage of which you are uncertain in the comments spaces below each section.

Amphibians: Salamanders				Frogs and Toads					
Species	NW salamander	Long-toed salamander	Rough-skinned newt	Western toad	Pacific treefrog	Northern red-legged frog	Cascades frog	Oregon spotted frog	Bullfrog
CODE	AMGR	AMMA	TAGR	BUBO	HYRE	RAAU	RACA	RAPR	RACT
Larvae									
Juv/Adult									

Unknown Salamander: _____ Unknown Frog: _____ Unknown Amphibian: _____

Comments: _____

Birds: Bird observations are **only** of those species that may prey on amphibians or fishes. If you record a number under the category other, indicate the species in the comments space; if unknown, describe it.

American bittern _____, bald eagle _____, black-crowned night heron _____, great blue heron _____, great egret _____, green-backed heron _____, kingfisher _____, osprey _____, other _____, unknown wading bird _____

Comments: _____

Fish: Do **not** attempt to count fish **unless** you see very few (≤ 20). If you observe ≥ 20 fish, use a one or two-letter designator for **F**ew (≤ 50), **M**oderate (51-300), or **M**any (≥ 301) to categorize fish.

Mosquitofish _____, Sunfishes (Centrarchids: examples bluegill, bass) _____, Catfishes _____, Other _____

Comments: _____

Mammals: Note mammals (or their sign) that prey on, or influence the habitat of, amphibians and fishes.

Beaver _____, Mink _____, Muskrat _____, Nutria _____, Raccoon _____, Opossum _____, Otter _____, Other _____

Comments: _____ **Time End:** ____ : ____